

**MOSEY
PATTERSON &
SHERIDAN, LLP**

ATTORNEYS AT LAW

3040 Post Oak Blvd, Suite 1500
Houston, TX 77056-6582
TEL 713.623.4844
FAX 713.623.4846

www.MPSilPCOM

FACSIMILE COVER SHEET

DATE: November 3, 2003
FILE NO: AMAT/4714.P1/TCG/WCVD/RKK
TO: Examiner: David Zarneke
FAX NO: 703-746-3876
PHONE NO: 703-305-3926
COMPANY: USPTO
FROM: Keith M. Tackett
PAGE(S) with cover: 11
ORIGINAL TO FOLLOW? ☐ YES ☒ NO

RECEIVED
NOV 03 2003
TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

COURTESY COPY

PETITION TO WITHDRAW ABANDONMENT

TITLE: Method and Apparatus for Depositing Refractory Metal Layers
Employing Sequential Deposition Techniques to Form
Nucleation Layer
U.S. SERIAL NO.: 09/678,266
FILING DATE: October 3, 2000
INVENTOR: Kori, et al.
EXAMINER: David Zarneke
GROUP ART UNIT: 2827
CONFIRMATION NO.: 4642

CONFIDENTIALITY NOTE

The document accompanying this facsimile transmission contains information from the law firm of Moser, Patterson & Sheridan, L.L.P. which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

233920_1

COPY

PATENT
Att. Docket No. AMAT/4714.P1/TCG/WCVD/BG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Kori, et al.

Serial No.: 09/678,266

Confirmation No.: 4642

Filed: October 3, 2000

For: METHOD AND APPARATUS FOR
DEPOSITING REFRACTORY METAL
LAYERS EMPLOYING SEQUENTIAL
DEPOSITION TECHNIQUES TO
FORM NUCLEATION LAYER

Box DAC
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Group Art Unit: 2827

Examiner: Zameke, David

RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800

~~SPECIAL PROGRAM CENTER~~

CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited on
02/04/2002 to the United States Postal Service
as First Class Mail. Envelope addressed to:
Commissioner of Patents, Box D-60, Washington, D.C.
20231.

02/04/03

Date _____

Kenneth E. Jackson
Signature

Signature

PETITION TO WITHDRAW ABANDONMENT UNDER 37 C.F.R. § 1.181

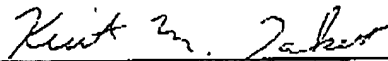
Applicants petition that the abandonment entered on January 20, 2003 by the Office be withdrawn. Applicants submit that the Notice of Allowance dated August 13, 2002, (copy attached) for the above-identified application was not received by Applicants until January 24, 2003. The Notice of Allowance was received in an envelope postmarked January 13, 2003. Applicants note that the Notice of Allowance received by Applicants has a stamp stating "Received SEP-4 2002 Technology Center 2800." Applicants also note that the mailing address listed on the Notice of Allowance is not the correct correspondence address. Thus, Applicants believe that the Notice of Allowance was mailed, but returned to the Patent Office on September 4, 2002. As Applicants did not receive the Notice of Allowance until January 24, 2003 in an envelope postmarked January 13, 2003, Applicants were not able to pay the issue fee by the due date of November 13, 2002. Accordingly, Applicants respectfully request

mailing of a Notice of Allowance showing the correct mailing date and withdrawal of the holding of abandonment.

In support of this petition, Applicants provide enclosed written statements under 37 C.F.R. § 1.181 and a copy of a docket record for the above-identified application as Exhibit A.

Applicants do not feel that a fee is necessary at this time, but if the sum of \$130.00 is due under 37 C.F.R. § 1.17 (h), the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely and acceptable to the Deposit Account No. 20-0782/AMAT/4714.P1/KMT.

Respectfully submitted,



Keith M. Tackett
Registration No. 32,008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd., Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Assignee

T:\Clients\APPM4000-4999\4714.P1\PTO\Pet.Withdraw Holding of Abandonment.doc



RECEIVED

COPY

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

NOV 03 2003

2003 JAN 22 PM 1:00

\$IF 11-13-02

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

NOTICE OF ALLOWANCE AND FEE(S) DUE

32588 7590 08/13/2002
APPLIED MATERIALS, INC.
2881 SCOTT BLVD. M/S 2061
SANTA CLARA, CA 95050

COMPUTER ENTERI
JAN 24 2003

EXAMINER	
ZARNEKE, DAVID	
ART UNIT	CLASS-SUBCLASS
2827	438-685000
DATE MAILED: 08/13/2002	

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/678,266	10/03/2000	Ming Xi	004714 POI	4642

TITLE OF INVENTION: METHOD AND APPARATUS FOR DEPOSITING REFRACTORY METAL LAYERS EMPLOYING SEQUENTIAL DEPOSITION TECHNIQUES TO FORM A NUCLEATION LAYER

Match and Return

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	11/13/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
 - ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

COPY

[illegible]

RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

COPY

PCMaster v3.03.02 - Applied Materials - (Patent)

File Edit Record Utilities Window Help

Document Number: 004714 Attorney: Walter Benjamin Glenn

1-24-2003-This just in from Patent Office - sent to Todd, cc'd ben to contact PTO regarding late mailing of PTO docs to AMAT/SRG

OK Cancel

02/06/2001		02/06/2001	signatures to MW on
02/21/2001		03/08/2002	
01/15/2002		10/31/2001	
02/21/2002		03/08/2002	FOR LU & LAJ/DB
05/23/2002	05/03/2002	05/06/2002	To TP/SRG
11/13/2002	01/24/2003		1-24-2003-This just in
02/20/2003			
		06/26/2002	W/D BROOKS AS
		07/10/2002	PWR FILED 5/2/2002
		05/24/2002	
		10/15/2001	ASG DUE TO ADD LU.
		11/09/2001	

Created: 10/09/2003 Updated: 01/23/2003 2:16 PM PWT DUB

Start: 12/15/03 11:35:00 AM End: 12/15/03 11:35:00 AM PCMaster v3.03.02 Document: 004714

RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

COPYAtty. Docket No. AMAT/4714.P1/TCG/WCVD/BG **PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:
Kori, et al,

Serial No.: 09/678,266

Confirmation No.: 4642

Filed: October 3, 2000

For: METHOD AND APPARATUS FOR
DEPOSITING REFRACTORY METAL
LAYERS EMPLOYING SEQUENTIAL
DEPOSITION TECHNIQUES TO
FORM NUCLEATION LAYER

Box DAC
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Group Art Unit: 2827

Examiner: Zameke, David

RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

CERTIFICATE OF MAILING	
37 CFR 1.8	
I hereby certify that this correspondence being deposited on	
02/04/2003	the United States Postal Service
as First Class Mail envelope addressed to:	
Commissioner for Patents, Box DAC, Washington, D.C.	
20231.	
02/04/2003	Signature

STATEMENT BY GAILE P. BAILEY

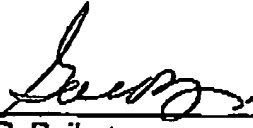
I, Gaile P. Bailey, am providing the following statement under 37 CFR 1.181:

I am the Docketing Administrator for Applied Materials Inc., of Santa Clara, California. I am responsible for receiving and docketing every official communication from the United States Patent and Trademark Office. As of today, I have not received a Notice of Allowance for the above-identified application other than the Notice of Allowance dated August 13, 2002 that we received on January 24, 2003 in an envelope postmarked January 13, 2003. A copy of the docket record (Exhibit A) is enclosed herewith to indicate absence of timely receipt of the Notice of Allowance.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may

PATENT
Atty. Docket No. AMAT/4714.P1/TCG/WCVD/BG

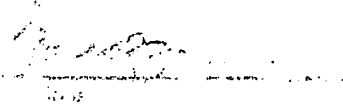
jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.



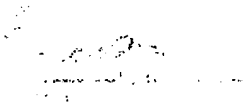
Gaile P. Bailey
Docketing Administrator
Applied Materials, Inc.,
P.O. Box. 458
Santa Clara, California 95052

Date Signed: 2-3-2003

T:\Clients\APPM4000-4999\4714.P1\PTO\PeLStatementL.Bailey.doc



Faint, illegible text



Faint, illegible text

COPY

PATENT
Atty. Docket No. AMAT/4714.P1/TCGM/CVD/8G

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Kuri, et al.

Serial No.: 09/678,266

Confirmation No.: 4642

Filed: October 3, 2000

For: METHOD AND APPARATUS FOR
DEPOSITING REFRACTORY METAL
LAYERS EMPLOYING SEQUENTIAL
DEPOSITION TECHNIQUES TO
FORM NUCLEATION LAYER

Box DAC
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Group Art Unit: 2827

Examiner: Zarnke, David

RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited in 02/07 2003 Special Mailbox Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Box DAC, Washington, D.C. 20231.	
02/04/03 Date	<i>K. A. Zarnke</i> Signature

STATEMENT BY SHERI GRIFFIN

I, Sheri Griffin, am providing the following statement under 37 CFR 1.181:

I am a Patent Administrator for Applied Materials Inc., of Santa Clara, California. My responsibility includes managing the documentations in connection with the prosecution of the above-identified application. I have searched the file jacket for the above-identified application and as of today, I have not found a Notice of Allowance for the referenced case other than the Notice of Allowance dated August 13, 2002 that was received on January 24, 2003 in an envelope postmarked January 13, 2003.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may


Nov-03-03 11:36am From-Moser, Patterson & Sheridan L.L.P.
JED-31-113 11-31-03 FROM-MOSER, PATTERSON & SHERIDAN L.L.P.

+713 623 4846

T-525 P.010/011 F-280
1-003 F.003/003 F-000

PATENT
Atty. Docket No. AMA11/4714.P1/1CG/WCVD/BG

jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.


Shen Griffin
Patent Administrator
Applied Materials, Inc.,
P.O. Box 458
Santa Clara, California 95052

Date Signed: 1-31-2003

T:\Client\APPM\000-1898\4714.P1\PTO\Pet Statement,Griffin.doc

DOCKET NO.: 11/14/03

SERIAL NO.: 0916-86,206

FILED: Oct. 3, 2000

APPLICANT: Applied Materials

INVENTOR: Don et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed FEB. 4 2003

COPIES

☐ AFFIDAVIT

☐ AMENDMENT

☐ APPLICATION PAPER - PARTIAL DECLARATION

☐ TOTAL C.S. 1 IN C.S. 1 FEE \$ 100

☐ SHEET(S) OF DRAWING(S) FORMAL IN C.S. 1 FEE \$ 100

☐ ASSIGNMENT-RECORDAL FEE \$ 100

☐ BRIEF

☐ APPEAL NOTICE

☐ DECLARATION

☐ ISSUE FEE - BASE/BALANCE

☐ LETTER - CHARGE DEPOSIT ACCOUNT

☐ LETTER

☐ TRADEMARK/SERVICE MARK APPLICATION

☒ PETITION TO REVOKE/REINSTATEMENT

☐ PRELIMINARY AMENDMENT Nov 3, 2003

☐ INFORMATION DISCLOSURE STATEMENT

☐ REQUEST FOR EXTENSION OF TIME

☐ RESPONSE TO 1/1/01

☐ SPECIMENS

☐ SMALL ENTITY

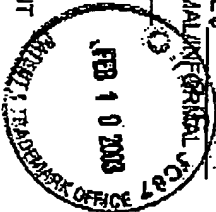
☒ CHECK # 13990 IN THE AMOUNT OF \$ 13990

Attorney for Applied Materials

Don et al.

EXPRESS MAIL # 13990 MAIL LOG # 13990

HP.



RECEIVED

NOV 03 2003

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTER